

CLEMENTS 2019 UPDATE

Charles E. Braun, BU1364 & Jack R. Congrove, BU1424

The Clements 2018 taxonomic update was released by Cornell University in August. The revised taxonomic order is given in the table below.

No new families were added this year, but two families were lumped. **Cracticidae** (Bellmagpies and Allies) was merged with **Artamidae** (Woodswallows). The combined family now is called **Artamidae** (Woodswallows, Bellmagpies, and Allies).

Paradoxornithidae (Parrotbills, Wrentit, and Allies) was merged into **Sylviidae** (Sylviid Warblers). The combined family is **Sylviidae** (Sylviid Warblers, Parrotbills, and Allies). The total number of extant families in the eBird/Clements Checklist therefore is 248, with an additional extinct family ([†]**Mohoidae**: Hawaiian Honeyeaters), for a total of 249 families. The listing also extensively revises the sequence of families in the passerines, and of tyrant flycatchers and related families in the suboscines.

The table below shows the revised order of the 248 extant families accepted by Clements Checklist. The names of orders are in **BOLD CAPITAL** lettering and changes are noted in **bold blue** font. An additional extinct family ([†]**Mohoidae**: Hawaiian Honeyeaters) is listed. The listing also provides the quantity of families in each order (in parentheses, after the name of each order), and the quantity of species in each family (in parentheses, after the name of each family).

No.	Family	Members	No.	Family	Members
	STRUTHIONIFORMES (1)			MESITORNITHIFORMES (1)	
1	Struthionidae	Ostrich (2)	17	Mesitornithidae	Mesites (3)
	RHEIFORMES (1)			PTEROCLIFORMES (1)	
2	Rheidae	Rheas (2)	18	Pteroclidae	Sandgrouse (16)
	TINAMIFORMES (1)			OTIDIFORMES (1)	
3	Tinamidae	Tinamous (46)	19	Otididae	Bustards (26)
	CASUARIIFORMES (1)			MUSOPHAGIFORMES (1)	
4	Casuariidae	Cassowaries & Emu (4)	20	Musophagidae	Turacos (23)
	APTERYGIFORMES (1)			CUCULIFORMES (1)	
5	Apterygidae	Kiwis (5)	21	Cuculidae	Cuckoos (147)
	ANSERIFORMES (3)			CAPRIMULGIFORMES (8)	
6	Anhimidae	Screamers (3)	22	Podargidae	Frogmouths (16)
7	Anseranatidae	Magpie Goose (1)	23	Caprimulgidae	Nightjars & Allies (98)
8	Anatidae	Ducks, Geese, & Waterfowl (174)	24	Nyctibiidae	Potoos (7)
	GALLIFORMES (5)		25	Steatornithidae	Oilbird (1)
9	Megapodiidae	Megapodes (22)	26	Aegothelidae	Owlet-Nightjars (10)
10	Cracidae	Guans, Chachalacas, & Curassows (54)	27	Apodidae	Swifts (112)
11	Numididae	Guineafowl (6)	28	Hemiprocnidae	Treeswifts (4)
12	Odontophoridae	New World Quail (33)	29	Trochilidae	Hummingbirds (349)
13	Phasianidae	Pheasants, Grouse, & Allies (180)		OPISTHOCOMIFORMES (1)	
	PHOENICOPTERIFORMES (1)		30	Opisthocomidae	Hoatzin (1)
14	Phoenicopteridae	Flamingos (6)		GRUIFORMES (6)	
	PODICIPEDIFORMES (1)		31	Sarothruridae	Flufftails (11)
15	Podicipedidae	Grebes (22)	32	Rallidae	Rails, Gallinules, & Coots (159)
	COLUMBIFORMES (1)		33	Heliorhithidae	Finfoots (3)
16	Columbidae	Pigeons & Doves (348)	34	Aramidae	Limpkin (1)

No.	Family	Members	No.	Family	Members
GRUIFORMES (continued)			PELECANIFORMES (5)		
35	Psophiidae	Trumpeters (3)	70	Pelecanidae	Pelicans (8)
36	Gruidae	Cranes (15)	71	Balaenicipitidae	Shoebill (1)
CHARADRIIFORMES (19)			72	Scopidae	Hamerkop (1)
37	Chionidae	Sheathbills (2)	73	Ardeidae	Herons, Egrets, & Bitterns (68)
38	Pluvianellidae	Magellanic Plover (1)	74	Threskiornithidae	Ibises & Spoonbills (36)
39	Burhinidae	Thick-knees (10)	CATHARTIFORMES (1)		
40	Pluvianidae	Egyptian Plover (1)	75	Cathartidae	New World Vultures (7)
41	Recurvirostridae	Stilts & Avocets (9)	ACCIPITRIFORMES (3)		
42	Ibidorhynchidae	Ibisbill (1)	76	Sagittariidae	Secretary-bird (1)
43	Haematopodidae	Oystercatchers (12)	77	Pandionidae	Osprey (1)
44	Charadriidae	Plovers & Lapwings (67)	78	Accipitridae	Hawks, Eagles, & Kites (250)
45	Pedionomidae	Plains-wanderer (1)	STRIGIFORMES (2)		
46	Thinocoridae	Seedsnipes (4)	79	Tytonidae	Barn-Owls (18)
47	Rostratulidae	Painted-Snipes (3)	80	Strigidae	Owls (216)
48	Jacanidae	Jacanas (8)	COLIIFORMES (1)		
49	Scolopacidae	Sandpipers & Allies (96)	81	Coliidae	Mousebirds (6)
50	Turnicidae	Buttonquail (17)	LEPTOSOMIFORMES (1)		
51	Dromadidae	Crab Plover (1)	82	Leptosomidae	Cuckoo-Roller (1)
52	Glareolidae	Pratincoles & Coursers (17)	TROGONIFORMES (1)		
53	Stercorariidae	Skuas & Jaegers (7)	83	Trogonidae	Trogons (43)
54	Alcidae	Auks, Murres, & Puffins (25)	BUCEROTIFORMES (4)		
55	Laridae	Gulls, Terns, & Skimmers (97)	84	Upupidae	Hoopoes (3)
EURYPYGIFORMES (2)			85	Phoeniculidae	Woodhoopoes & Scimitar-bills (8)
56	Rhynochetidae	Kagu (1)	86	Bucorvidae	Ground-Hornbills (2)
57	Eurypygidae	Sunbittern (1)	87	Bucerotidae	Hornbills (59)
PHAETHONTIFORMES (1)			CORACIFORMES (6)		
58	Phaethontidae	Tropicbirds (3)	88	Todidae	Todies (5)
GAVIFORMES (1)			89	Momotidae	Motmots (14)
59	Gaviidae	Loons (5)	90	Alcedinidae	Kingfishers (118)
SPHENISCIFORMES (1)			91	Meropidae	Bee-eaters (28)
60	Spheniscidae	Penguins (18)	92	Coraciidae	Rollers (13)
PROCELLARIIFORMES (4)			93	Brachypteraciidae	Ground-Rollers (5)
61	Diomedeidae	Albatrosses (15)	GALBULIFORMES (2)		
62	Oceanitidae	Southern Storm Petrels (9)	94	Bucconidae	Puffbirds (36)
63	Hydrobatidae	Storm-Petrels (18)	95	Galbulidae	Jacamars (18)
64	Procellariidae	Shearwaters & Petrels (96)	PICIFORMES (7)		
CICONIFORMES (1)			96	Lybiidae	African Barbets (41)
65	Ciconiidae	Storks (19)	97	Megalaimidae	Asian Barbets (34)
SULIFORMES (4)			98	Capitonidae	New World Barbets (14)
66	Fregatidae	Frigatebirds (5)	99	Semnornithidae	Toucan-Barbets (2)
67	Sulidae	Boobies & Gannets (10)	100	Ramphastidae	Toucans (36)
68	Anhingidae	Anhingas (4)	101	Indicatoridae	Honeyguides (17)
69	Phalacrocoracidae	Cormorants & Shags (40)	102	Picidae	Woodpeckers (234)

No.	Family	Members	No.	Family	Members
	CARIAMIFORMES (1)			PASSERIFORMES (continued)	
103	Cariamidae	Seriemas (2)	144	Oreocicidae	Australo-Papuan Bellbirds (3)
	FALCONIFORMES (1)		145	Falcunculidae	Shrike-tit (1)
104	Falconidae	Falcons & Caracaras (66)	146	Paramythiidae	Tit &Crested Berrypeckers (2)
	PSITTACIFORMES (4)		147	Vireonidae	Vireos, Shrike-Babblers,& Erpornis (63)
105	Strigopidae	New Zealand Parrots (4)	148	Pachycephalidae	Whistlers & Allies (57)
106	Cacatuidae	Cockatoos (21)	149	Oriolidae	Old World Orioles (38)
107	Psittaculidae	Old World Parrots (189)	150	Machaerirhynchidae	Boatbills (2)
108	Psittacidae	New World & African Parrots (173)	151	Artamidae	Woodswallows, Bellmagpies, Allies (24)
	PASSERIFORMES (141)		152	Rhagologidae	Mottled Berryhunter (1)
109	Acanthisittidae	New Zealand Wrens (4)	153	Platysteiridae	Wattle-eyes & Batises (31)
110	Calyptomenidae	African & Green Broadbills (6)	154	Vangidae	Vangas, Helmetshrikes & Allies (39)
111	Eurylaimidae	Asian & Grauer's Broadbills (9)	155	Pityriaseidae	Bristlehead (1)
112	Sapayoidea	Sapayoia (1)	156	Aegithinidae	Ioras (4)
113	Philepittidae	Asities (4)	157	Malaconotidae	Bushshrikes & Allies (50)
114	Pittidae	Pittas (44)	158	Rhipiduridae	Fantails (53)
115	Thamnophilidae	Typical Antbirds (234)	159	Dicruridae	Drongos (29)
116	Melanopareiidae	Crescentchests (4)	160	Paradisaeidae	Birds-of-paradise (42)
117	Conopophagidae	Gnateaters (11)	161	Ifritidae	Ifrita (1)
118	Grallariidae	Antpittas (55)	162	Monarchidae	Monarch Flycatchers (100)
119	Rhinocryptidae	Tapaculos (60)	163	Corcoracidae	White-winged Chough & Apostlebird (2)
120	Formicariidae	Anthrushes (11)	164	Melampittidae	Melampittas (2)
121	Furnariidae	Ovenbirds & Woodcreepers (304)	165	Platylophidae	Crested Shrikejay (1)
122	Pipridae	Manakins (53)	166	Laniidae	Shrikes (33)
123	Cotingidae	Cotingas (65)	167	Corvidae	Crows, Jays, & Magpies (129)
124	Tityridae	Tityras & Allies (33)	168	Cnemophilidae	Satinbirds (3)
125	Oxyruncidae	Sharpbill, Royal Flycatcher, Allies (7)	169	Melanocharitidae	Berrypeckers & Longbills (10)
126	Tyrannidae	Tyrant Flycatchers (422)	170	Callaeidae	Wattlebirds (5)
127	Menuridae	Lyrebirds (2)	171	Notiomystidae	Stitchbird (1)
128	Atrichornithidae	Scrub-birds (2)	172	Petroicidae	Australasian Robins (49)
129	Ptilonorhynchidae	Bowerbirds (27)	173	Picathartidae	Rockfowl (2)
130	Climacteridae	Australasian Treecreepers (7)	174	Chaetopidae	Rockjumpers (2)
131	Maluridae	Fairywrens (33)	175	Eupetidae	Rail-babbler (1)
132	Meliphagidae	Honeyeaters (187)	176	Hyliotidae	Hyliotas (4)
133	Dasyornithidae	Bristlebirds (3)	177	Stenostiridae	Fairy Flycatchers (9)
134	Pardalotidae	Pardalotes (4)	178	Paridae	Tits, Chickadees & Titmice (63)
135	Acanthizidae	Thornbills & Allies (65)	179	Remizidae	Penduline-Tits (11)
136	Pomatostomidae	Pseudo-Babblers (5)	180	Alaudidae	Larks (97)
137	Orthonychidae	Logrunners (3)	181	Panuridae	Bearded Reedling (1)
138	Cinclosomatidae	Quail-thrushes & Jewel-babblers (12)	182	Nicatoridae	Nicators (3)
139	Campephagidae	Cuckooshrikes (89)	183	Macroscphenidae	African Warblers (21)
140	Mohouidae	Whiteheads (3)	184	Cisticolidae	Cisticolas & Allies (155)
141	Neosittidae	Sittellas (3)	185	Acrocephalidae	Reed-Warbblers & Allies (61)
142	Psophodidae	Whipbirds & Wedgebills (5)	186	Locustellidae	Grassbirds & Allies (62)
143	Eulacestomatidae	Ploughbill (1)	187	Donaciobiidae	Donacobius (1)

No.	Family	Members	No.	Family	Members
PASSERIFORMES (continued)			PASSERIFORMES (continued)		
188	Bernieridae	Malagasy Warblers (11)	219	Promeropidae	Sugarbirds (2)
189	Phoeopygidae	Cupwings (5)	220	Modulatricidae	Dapple-throat and Allies (3)
190	Hirundinidae	Swallows (86)	221	Dicaeidae	Flowerpeckers (47)
191	Pycnonotidae	Bulbuls (149)	222	Nectariniidae	Sunbirds & Spiderhunters (143)
192	Phylloscopidae	Leaf-Warblers (77)	223	Irenidae	Fairy-bluebirds (2)
193	Scotocercidae	Bush-Warblers & Allies (36)	224	Chloropseidae	Leafbirds (11)
194	Aegithalidae	Long-tailed Tits (11)	225	Peucedramidae	Olive Warbler (1)
195	Sylviidae	Sylviid Warblers, Parrotbills, Allies (68)	226	Urocynchramidae	Przevalski's Pinktail (1)
196	Zosteropidae	Yuhinas, White-eyes, & Allies (136)	227	Ploceidae	Weavers & Allies (118)
197	Timaliidae	Tree- & Scimitar-Babblers & Allies (52)	228	Estrildidae	Waxbills & Allies (139)
198	Pellorneidae	Ground Babblers & Allies (59)	229	Viduidae	Indigobirds (20)
199	Leiothrichidae	Laughingthrushes & Allies (146)	230	Prunellidae	Accentors (13)
200	Regulidae	Kinglets (6)	231	Passeridae	Old World Sparrows (43)
201	Tichodromidae	Wallcreeper (1)	232	Motacillidae	Wagtails & Pipits (68)
202	Sittidae	Nuthatches (27)	233	Fringillidae	Finches, Euphonias, & Allies (227)
203	Certhiidae	Treecreepers (11)	234	Calcaridiidae	Longspurs & Snow Buntings (6)
204	Polioptilidae	Gnatcatchers (20)	235	Rhodinicichlidae	Thrush-Tanager (1)
205	Troglodytidae	Wrens (85)	236	Emberizidae	Old World Buntings (44)
206	Elachuridae	Spotted Elachura (1)	237	Passerellidae	New World Sparrows (131)
207	Cinclidae	Dippers (5)	238	Calyptophilidae	Chat-Tanagers (2)
208	Buphagidae	Oxpeckers (2)	239	Phaenicophilidae	Hispaniolan Tanagers (4)
209	Sturnidae	Starlings (123)	240	Nesospingidae	Puerto Rican Tanager (1)
210	Mimidae	Mockingbirds & Thrashers (34)	241	Spindalidae	Spindalis (21)
211	Turdidae	Thrushes & Allies (173)	242	Zeledoniidae	Wren-tit (1)
212	Muscicapidae	Old World Flycatchers (322)	243	Teretistridae	Cuban Warblers (2)
213	Bombycillidae	Waxwings (3)	244	Icteriidae	Yellow-breasted Chat (1)
214	†Mohoidae	Hawaiian Honeyeaters (5) [extinct]	245	Icteridae	Troupials & Allies (35)
215	Ptilogonatidae	Silky-flycatchers (4)	246	Parulidae	New World Warblers (110)
216	Dulidae	Palmchat (1)	247	Mitrospingidae	Mitrospingid Tanagers (4)
217	Hylocitreidae	Hylocitre (1)	248	Cardinalidae	Cardinals & Allies (113)
218	Hypocoliidae	Hypocolius (1)	249	Thraupidae	Tanagers & Allies (377)

Reference: Clements, J. F., T. S. Schulenberg, M. J. Iliff, S. M. Billerman, T. A. Fredericks, B. L. Sullivan, and C. L. Wood. 2019. *The eBird/Clements checklist of birds of the world: v2019*. Downloaded from <http://www.birds.cornell.edu/clementschecklist/download/>

Changes Affecting Birds on Stamps

Change White Eared-Pheasant to Tibetan Eared-Pheasant (*Crossoptilon harmani*). Change the range to eastern Tibet and northeastern India.

Change Madagascar Green-Pigeon to Comoros Green-Pigeon (*Treron xenius*).

Blue-throated Hillstar (*Oreotrochilus cyanolaemus*) is now recognized as a true species [Vol. 68(1)].

Change Steely-vented Hummingbird to Blue-vented Hummingbird (*Saucerottia hoffmanni*) and change the range to western Nicaragua to central Costa Rica.

Change Tristan Moorhen to Gough Moorhen (*Gallinula comeri*) and change the range to Gough Island.

Sacred Ibis has been split into two species, African Sacred Ibis (*Threskiornis aethiopicus*) and Madagascar Sacred Ibis (*T. bernieri*), on issues from British Indian Ocean Territories, Madagascar 1999, Seychelles, and Zil Elwannyen Sesel (see “New Birds”).

Change Reunion Harrier to Madagascar Harrier (*Circus macrosceles*).

Morepork (*Ninox novaeseelandiae*) has been (re)split from Southern Boobook on issues from Angola, Mozambique, New Zealand, Norfolk Island, Palau, St. Thomas & Prince, Solomon Islands, and Tuvalu (see “New Birds”).

Indochinese Roller (*Coracias affinis*) has been split from the Indian Roller on issues from Laos and the Maldives (see “New Birds”).

Red-backed Flameback (*Dinopium psarodes*) has been split from Black-backed Flameback on an issue from Sri Lanka (see “New Birds”).

Rainbow Lorikeet has been split into six species. Three are on stamps: Rainbow Lorikeet (*Trichoglossus moluccanus*), Coconut Lorikeet (*T. haematodus*) (issues from Antigua and Barbuda, Brazil, Central Africa, Grenada, Guyana, Indonesia, Kampuchea, North Korea, Micronesia, Mozambique, New Caledonia, Niger, Palau, Papua New Guinea, Sierra Leone, and Solomon Islands), and Red-collared Lorikeet (*T. rubritorquis*) (issues from Congo, Grenadines, Mozambique, St. Thomas & Prince, and Zambia) (see “New Birds”).

Brown-necked Parrot has been split into two species: Brown-necked Parrot (*Poicephalus fuscicollis*) (issues from Guinea-Bissau and Zimbabwe) and Cape Parrot (*P. robustus*) (see “New Birds”).

Change Flame Bowerbird to Masked Bowerbird (*Sericulus aureus*).

Change Oriental White-eye to Indian White-eye.

Miombo Sunbird is split into Eastern Miombo Sunbird (*Cinnyris manoensis*) (issues from Botswana and Ghana) and Western Miombo Sunbird (*C. gertrudis*) (issue from Zimbabwe) (see “New Birds”).

Aldabra Fody (*Foudia aldabrana*) (issues from Seychelles and Zil Elwannyen Sesel) is split from Red-headed Fody (*F. eminentissima*) (issues from British Indian Ocean Territory, Comoro Islands, and Mayotte) (see “New Birds”).

Royal Sunangel (*Heliangelus regalis*) (Peru 2013) is a hybrid.

Red-billed Gull is a subspecies of Silver Gull.

Change African Quailfinch to Quailfinch (*Ortygospiza atricollis*).

Transfer Royal Flycatcher and Ruddy-tailed Flycatcher to the family Oxyruncidae.

Individual Changes:

Ground-Dove to Ground Dove (all species)

Maroon-chested Ground Dove (*Paroclavis mondetouri*)

Purple-winged Ground Dove (*Paroclavis geoffroyi*)

Pink-necked Pigeon to Pink-necked Green-Pigeon

Orange-breasted Pigeon to Orange-breasted Green-Pigeon

Thick-billed Pigeon to Thick-billed Green-Pigeon

Yellow-footed Pigeon to Yellow-footed Green-Pigeon

Yellow-vented Pigeon to Yellow-vented Green-Pigeon

Wedge-Tailed Pigeon to Wedge-tailed Green-Pigeon

White-bellied Pigeon to White-bellied Green-Pigeon

Indian Bustard to Great Indian Bustard

Racket-tailed Coquette to Racket-tailed Thorntail

Amethyst-throated Hummingbird to Amethyst-throated Mountain-gem

Blue-throated Hummingbird to Blue-throated Mountain-gem

Magenta-throated Woodstar (*Philodice bryantae*)

Purple-throated Woodstar (*Philodice mitchellii*)

Bahama Woodstar (*Nesophlox evelynae*)

Individual Changes: (continued)

Lesser Woodhen (*Paragallinula angulata*)
 Spoon-billed Sandpiper (*Calidris pygmaea*)
 Black-breasted Snake-Eagle to Black-chested Snake-Eagle
 Rufous-chested Sparrowhawk to Rufous-breasted Sparrowhawk
 Northern Silvery-Kingfisher (*Ceyx flumenicola*)
 Thick-billed Vireo to Mangrove Vireo
 Black-collared Apalis (*Oreolais pulcher*)
 Red-billed Oxpecker (*Buphagus erythrorhynchus*)
 Dusky-brown Flycatcher to African Dusky Flycatcher
 Grayish Flycatcher to African Gray Flycatcher
 Buff-streaked Bushchat to Buff-streaked Chat (*Campocoloides bifasciatus*)
 Mountain Wheatear (*Myrmecocichla monticola*)
 Long-billed Sunbird to Loten's Sunbird
 Gould's Sunbird to Mrs. Gould's Sunbird
 Purple-naped Spiderhunter (*Kurochkinigramma hypogrammicum*)
 Cuban Grassquit (*Phonipara canorus*)
 Nashville Warbler (*Leiothlypis ruficapilla*)
 Golden-naped Tanager (*Chalcothraupis ruficervix*)
 Black-necked Tanager (*Tangara cyanicollis*)
 Chestnut-backed Tanager (*Tangara preciosa*)
 Burnished-buff Tanager (*Tangara cayana*)
 Lesser Antillean Tanager (*Tangara cucullata*)
 Scrub Tanager (*Tangara vitriolina*)
 Masked Tanager (*Tangara nigricincta*)
 Golden-hooded Tanager (*Tangara larvata*)
 Blue-necked Tanager (*Tangara cyanicollis*)

MOLDOVA BIRDS

The year 2019 has been a banner year for birds on stamps. Each year, the PostEurop Association, formerly called the European Conference of Postal and Telecommunications Administrations (CEPT), designates a theme for its Europa stamp issues, and this year the theme was "National Birds." Europe is home to almost 900 species of birds, and many are shown on Europa stamps.



Aquila chrysaetos
Moldova, 2019, Sc#1032

Ciconia ciconia
Moldova, 2019, Sc#1031

On 19 April 2019, Moldova issued a set of two stamps as part of the Europa theme. They are both denominated 11 lei. One depicts a Golden Eagle (*Aquila chrysaetos*) and the other a White Stork (*Ciconia ciconia*). The stamps were designed by Vladimir Melnic, and printed by Nova Imprim, Chisinau. They measure 68×34 mm and are perforated 13 syncopated.

Each stamp was produced in a sheet of three plus a label and the two sheets were sold with, but unattached to, a booklet cover.